

In the Claims:

1. (Currently Amended) A computer-implemented method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest, comprising:

identifying the at least one substance of interest;

selecting a [[the]] profile of the at least one substance of interest related to [[the]] safety of the at least one substance of interest, using at least one filter to determine at least one set of cases;

analyzing the risks of adverse effects resulting from the use of the at least one substance of interest using at least one data mining engine; [[and]]

maintaining a consistent vocabulary by using the correlator to process a vector comprising a plurality of categorical terms; and

displaying [[the]] results from analyzing of the analysis of risks of adverse effects resulting from the use of the at least one substance of interest, wherein the plurality of categorical terms sent to the correlator are therapeutic categories, in a format that permits perception of correlations.

2. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 1, wherein the format is at least one format selected from the group consisting of a radar display for display of correlations, a sortable table, and a sortable line listing.

3. (Currently Amended) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the at least one data mining engine is a proportional analysis engine to assess deviations in a set of [[the]] reactions to the at least one substance of interest.

4. (Currently Amended) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2,

wherein the at least one data mining engine is a comparator to measure [[the]] reactions to the at least one substance of interest against a user-defined backdrop.

5. (Currently Amended) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the at least one data mining engine is a correlator to look for correlated signal characteristics [[in]] involving at least one of drug information, II/I) reaction information, II/I) and demographic information.

6. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the data mining engine is at least two members of the group consisting of a proportional analysis engine, a comparator, and a correlator.

7. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the at least one substance of interest is assessed in combination with other drugs, foodstuffs, beverages, nutrients, vitamins, toxins, chemicals, hormones, and supplements.

8. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the method permits assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest in any of multiple dimensions of the risk assessment and analysis.

9. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the format is a radar display for display of correlations.

10. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 9, wherein the radar display contains elements linked to data regarding the adverse effects.

11. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the format is a sortable table.

12. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 11, wherein the sortable table contains elements linked to data regarding the adverse effects.

13. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 2, wherein the format is a sortable line listing.

14. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one substance of interest according to claim 13, wherein the sortable line listing contains elements linked to data regarding the adverse effects.

15. (Currently Amended) A computer-implemented method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest, comprising:

identifying the at least one drug of interest;

selecting a [[the]] profile of the at least one drug of interest related to the safety of the at least one drug of interest, using at least one filter to determine at least one set of cases;

analyzing the risks of adverse effects resulting from the use of the at least one drug of interest using at least one data mining engine; [[and]]

maintaining a consistent vocabulary by using the correlator to process a vector comprising a plurality of categorical terms; and

displaying [[the]] results from analyzing of the analysis of risks of adverse effects resulting from the use of the at least one drug of interest, wherein the plurality of categorical terms sent to the correlator are therapeutic categories, in a format that permits perception of correlations.

16. (Currently Amended) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 15 ~~[[1]]~~, wherein the format is at least one format selected from the group consisting of a radar display for display of correlations, a sortable table, and a sortable line listing.

17. (Currently Amended) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the at least one data mining engine is a proportional analysis engine to assess deviations in a set of ~~[[the]]~~ reactions to the at least one drug of interest.

18. (Currently Amended) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the at least one data mining engine is a comparator to measure ~~[[the]]~~ reactions to the at least one drug of interest against a user-defined backdrop.

19. (Currently Amended) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the at least one data mining engine is a correlator to look for correlated signal characteristics ~~[[in]]~~ involving at least one of drug information. ~~[[/]]~~reaction information. ~~[[/]]~~ **and** demographic information.

20. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the data mining engine is at least two members of the group consisting of a proportional analysis engine, a comparator, and a correlator.

21. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the at least one drug of interest is assessed in combination with other drugs, foodstuffs, beverages, nutrients, vitamins, toxins, chemicals, hormones, and supplements.

22. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the method permits assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest in any of multiple dimensions of the risk assessment and analysis.

23. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the format is a radar display for display of correlations.

24. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 23, wherein the radar display contains elements linked to data regarding the adverse effects.

25. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the format is a sortable table.

26. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 25, wherein the sortable table contains elements linked to data regarding the adverse effects.

27. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 16, wherein the format is a sortable line listing.

28. (Original) The method for displaying assessment and analysis of the risks of adverse effects resulting from the use of at least one drug of interest according to claim 27, wherein the sortable line listing contains elements linked to data regarding the adverse effects.